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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/648,536	
	Filing Date	August 25, 2003	
	First Named Inventor	Robert Lockerbie	
	Art Unit	1743	
	Examiner Name	not yet assigned	
Total Number of Pages in This Submission	20	Attorney Docket Number	B0175-US02

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to a Technology Center (TC)
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
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<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
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<input type="checkbox"/> Response to Missing Parts/Incomplete Application	Information Disclosure Statement (2 pages)	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	Form PTO 1449 (14 pages)	
	International Search Report for PCT/US03/26770 (3 pages)	

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual	Laura M. Butterfield
Signature	<i>Laura M. Butterfield</i>
Date	04-08-2004

CERTIFICATE OF TRANSMISSION/MAILING

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This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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Atty. Docket No. B0175-US02

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In re Application of:	Lockerbie et al)	Examiner: n/a
Serial No.:	10/648,536)	
Filed:	August 25, 2003)	Group Art Unit: 1743
For:	Induction and Maintenance of Nucleic Acid Damage in Pathogens Using Riboflavin and Light)	
Customer Number:	24994)	

Commissioner of Patents
Post Office Box 1450
Alexandria
Virginia 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir,

Pursuant to 37 C.F.R. §1.56, Applicant brings to the attention of the Examiner the documents listed on the attached PTO Form 1449. In accordance with the *Official Gazette* notice of August 5, 2003, no copies of United States patents or patent publications are being submitted with this Information Disclosure Statement, as this application was filed after June 30, 2003.

Pursuant to 37 C.F.R. §1.97 (c) and (e), a copy of the International Search Report from the PCT Office for the counterpart foreign application, PCT/US03/26770 is also being submitted. Copies of the references cited on the International Search Report are not being submitted with this Information Disclosure Statement, as they were previously cited in prior applications for which priority is claimed.

Under 37 C.F.R. §1.98(d), all cited foreign patents and publications were previously submitted in prior related applications 10/377,524 filed February 28, 2003 and 09/586,147, filed June 2, 2000 and thus should be of record, therefore no copies are being submitted.

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It is believed this Information Disclosure Statement is being filed before the first Office Action on the merits.

This submission does not represent that a search has been made or that no better information exists and does not constitute an admission that each or all of the listed documents alone or in combination, are considered to be material to patentability as defined under 37 C.F.R. §1.56(b).

It is believed no fee is required in connection with the filing of this statement. If this is incorrect, please charge any such fee to deposit account 03-2316.

Respectfully submitted,

04-08-2004
Dated

Laura Butterfield
Laura Butterfield; Reg. No. 47466
Gambro, Inc.
10810 W. Collins Ave.
Lakewood, CO 80215
(303) 231-4270

Sheet 1 of 14

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Modified) PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. B0175-US02	SERIAL NO. 10/648,536
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	APPLICANT Lockerbie et al	
(Use several sheets if necessary)	FILING DATE August 25, 2003	GROUP 1743

U.S. PATENT DOCUMENTS							
EXAMINE R INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
		2002/0022215	2/21/02	Sobsey et al			
		Re 32874 of 4474153	02/21/89 05/08/84	Rock et al.			
		683690	10/1901	Johnson			
		1733239	10/29	Roberts			
		1961700	6/5/34	Moehler			
		2056614	10/06/36	Moehler			
		2212230	08/20/40	Goldmann			
		2212230	8/20/40	Goldman			
		2212330	8/20/40	Thomas			
		2340890	2/8/44	Lang t al			
		2417143	3/11/47	Tishler et al			
		2786014	3/1957	Tullis			
		3057865	10/9/62	Bardos et al			
		3456053	07/15/69	Crawford			
		3629071	12/21/71	Sekhar			
		3683177	8/172	Veloz			
		3683183	8/72	Vizzini et al			
		3705985	12/12/72	Manning et al			
		3776694	12/04/73	Leittl			
		3852032	12/03/74	Urbach			
		3864081	2/75	Logrippo			
		3874384	4/1/75	Deindoerfer et al			
		3894236	7/75	Hazelrigg			
		3926556	12/16/75	Boucher			
		3927325	12/75	Hungate et al			
		4061537	12/1977	Seiler et al.			
		4112070	9/1978	Harmening			
		4124598	11/07/78	Hearst et al.			
		4139348	2/13/79	Swartz			
		4169204	09/25/79	Hearst et al.			
		4173631	11/1979	Graham et al			
		4181128	1/1/80	Swartz			
		4196281	04/01/80	Hearst et al.			
		4264601	4/1981	Trachewsky			
		4267269	5/12/81	Grode et al.			

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EXAMINE R INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
		4312883	01/26/82	Baccichetti et al.			
		4321918	03/30/82	Clark II			
		4321919	03/30/82	Edelson			
		4336809	06/29/82	Clark			
		4381004	4/26/83	Babb			
		4390619	6/28/83	Harmening-Pittiglio			
		4398031	08/09/83	Bender et al.			
		4398906	08/16/83	Edelson			
		4402318	09/06/83	Swartz			
		4407282	10/83	Swartz			
		4421987	12/20/83	Herold			
		4424201	1/03/84	Valinsky et al			
		4428744	01/31/84	Edelson			
		4432750	2/21/84	Estep			
		4456512	06/26/84	Bieler et al.			
		4457918	7/84	Holick et al			
		4464166	08/07/84	Edelson			
		4464166	08/07/84	Edelson			
		4467206	8/21/84	Taylor et al			
		4474153	10/1984	Hanamoto			
		4481167	11/06/84	Ginter et al			
		4493981	1/15/85	Payne			
		4568328	02/04/86	King			
		4572899	2/25/86	Walker et al.			
		4573960	03/40/86	Goss			
		4573961	03/40/86	King			
		4573962	3/4/86	Troutner			
		4576143	03/18/86	Clark III			
		4578056	03/25/86	King et al.			
		4585735	4/29/86	Meryman et al.			
		4596547	6/24/86	Troutner			
		4604356	08/05/86	Blake II			
		4608255	8/86	Kahn et al			
		4612007	09/16/86	Edelson			
		4613322	09/23/86	Edelson			
		4614190	09/30/86	Stanco et al.			
		4623328	111886	Hartranft			

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U.S. PATENT DOCUMENTS							
EXAMINE R INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
		4626431	12/2/86	Batchelor et al.			
		4642171	2/10/87	Sekine et al			
		4645649	2/24/87	Nagao			
		4648992	3/10/87	Graf et al			
		4649151	03/10/87	Dougherty et al.			
		4651739	3/87	Oseroff et al			
		4675185	6/23/87	Kandler et al.			
		4683195	7/28/87	Mullis et al			
		4683202	7/28/87	Mullis			
		4683889	08/04/87	Edelson			
		4684521	08/04/87	Edelson			
		4693981	09/15/87	Wieschahn et al.			
		4695460	09/22/87	Holme			
		4695460	9/1987	Holme			
		4704352	11/3/87	Miripol et al.			
		4708715	11/24/87	Troutner et al			
		4726949	02/23/88	Miripol et al.			
		4727027	02/23/88	Wieschahn et al.			
		4737140	04/12/88	Lee et al.			
		4748120	05/31/88	Wieschahn			
		4769318	9/9/88	Hamasaki et al.			
		4775625	10/04/88	Sieber			
		4788038	11/29/88	Matsunaga			
		4828976	5/9/89	Murphy			
		4831268	05/16/89	Fisch et al.			
		4833165	05/23/89	Louderback			
		4861704	08/29/89	Reemtsma et al.			
		4866282	09/12/89	Miripol et al.			
		4878891	11/07/89	Judy et al.			
		4880788	11/14/89	Moake et al			
		4915683	04/10/90	Sieber			
		4921473	05/01/90	Lee et al.			
		4930516	6/90	Alfano et al			
		4946438	8/7/90	Reemtsma et al			
		4948980	08/14/90	Wedekamp			
		4950665	08/21/90	Floyd			
		4950665	08/21/90	Floyd			

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U.S. PATENT DOCUMENTS						
EXAMINE R INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
	4952812	08/28/90	Miripol et al.			
	4960408	10/02/90	Klainer et al.			
	4961928	10/09/90	Holme et al.			
	4978688	12/18/90	Louderback			
	4986628	1/91	Lozhenko et al			
	4992363	02/12/91	Murphy			
	4994367	02/19/91	Bode et al.			
	4998931	03/12/91	Slichter et al.			
	4999375	03/12/91	Bachynsky et al.			
	5011695	04/30/91	Dichtelmuller et al.			
	5017338	05/21/91	Surgenor			
	5020995	6/4/91	Levy			
	5030200	07/09/91	Judy et al.			
	5039483	08/13/91	Sieber et al.			
	5041078	08/20/91	Matthews et al.			
	5089146	02/18/92	Carmen et al.			
	5089384	2/18/92	Hale			
	5092773	3/3/92	Levy			
	5114670	5/92	Duffey			
	5114957	05/19/92	Hendler et al.			
	5120649	06/09/92	Horowitz et al.			
	5123902	6/92	Muller et al			
	5133932	07/28/93	Gunn et al.			
	5147776	09/15/92	Koerner Jr.			
	5149718	9/22/92	Meruelo et al.			
	5150705	09/29/92	Stinson			
	5166528	11/24/92	LeVay			
	5184020	02/02/93	Hearst et al.			
	5185532	2/9/93	Zabsky et al			
	5192264	3/93	Fossel			
	5211960	5/1993	Babior			
	5216251	6/1/93	Maschke			
	5229081	7/20/93	Suda			
	5232844	08/03/93	Horowitz et al.			
	5234808	08/10/93	Murphy			
	5236716	08/17/93	Carmen et al.			
	5247178	09/21/93	Ury et al.			

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U.S. PATENT DOCUMENTS						
EXAMINE R INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
	5248506	09/28/93	Holme et al.			
	5250303	10/5/93	Meryman et al.			
	5258124	11/2/93	Bolton et al			
	5269946	12/14/93	Goldhaber et al			
	5273713	12/28/93	Levy			
	5281392	1/1994	Rubinstein			
	5288605	02/22/94	Lin et al.			
	5288647	2/22/94	Zimlich Jr. et al			
	5290221	03/01/94	Wolf Jr. et al.			
	5300019	04/05/94	Bischof et al.			
	5304113	04/19/94	Sieber et al.			
	5318023	6/94	Vari et al			
	5340716	08/23/94	Ullman et al.			
	5342752	8/30/94	Platz et al.			
	5344752	09/06/94	Murphy			
	5344918	9/6/94	Dazey et al			
	5358844	10/25/94	Stossel et al.			
	5360734	11/01/94	Chapman et al.			
	5366440	11/22/94	Fossel			
	5372929	12/13/94	Cimino			
	5376524	12/27/94	Murphy et al.			
	5378601	01/03/95	Gepner-Puszkun			
	5399719	3/21/95	Wollowitz et al			
	5418130	05/23/95	Platz et al.			
	5419759	5/95	Naficy			
	5427695	6/27/95	Brown			
	5433738	07/18/95	Stinson			
	5459030	10/17/95	Lin et al.			
	5466573	11/14/95	Murphy et al.			
	5474891	12/12/95	Murphy			
	5482828	01/09/96	Lin et al.			
	5487971	01/30/96	Holme et al.			
	5494590	2/27/96	Smith et al.			
	5503721	04/02/96	Hearst et al.			
	5512187	4/1996	Buchholz et al.			
	5516629	05/14/96	Park et al.			
	5527704	06/18/96	Wolf Jr. et al.			

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U.S. PATENT DOCUMENTS							
EXAMINE R INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
		5536238	07/16/96	Bischof			
		5545516	08/13/96	Wagner			
		5547635	8/96	Duthie Jr.			
		5550111	8/96	Suhadolnik et al			
		5556958	09/17/96	Carroll et al.			
		5556993	09/17/96	Wollowitz et al.			
		5557098	9/17/96	D'Silva			
		5559250	9/24/96	Cook et al			
		5569579	10/29/96	Murphy			
		5571666	11/05/96	Floyd et al.			
		5578736	11/26/96	Wollowitz et al			
		5585503	12/17/96	Wollowitz et al			
		5587490	12/24/96	Goodrich Jr. et al.			
		5593823	01/14/97	Wollowitz et al.			
		5597722	01/28/97	Chapman et al.			
		5607924	03/04/97	Magda et al.			
		5618662	4/8/97	Lin et al			
		5622867	04/22/97	Livesey et al.			
		5624435	4/29/97	Furumoto et al			
		5624794	4/29/97	Bitensky et al.			
		5625079	4/29/97	Wollowitz et al			
		5628727	05/13/97	Hakky et al.			
		5639376	06/17/97	Lee et al.			
		5639382	6/17/97	Brown			
		5643334	07/01/97	Eckhouse et al.			
		5652096	7/29/97	Cimino			
		5653887	08/05/97	Wahl et al.			
		5654443	8/5/97	Wollowitz et al			
		5656154	8/1997	Meryman			
		5656498	8/1997	Iijima et al.			
		5658530	08/19/97	Dunn			
		5658722	08/19/97	Margolis-Nunno et al.			
		5683661	11/04/97	Hearst et al.			
		5683768	11/04/97	Shang et al			
		5686436	11/11/97	Van Dyke			
		5688475	11/97	Duthie Jr.			
		5691132	11/25/97	Wollowitz et al.			

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U.S. PATENT DOCUMENTS							
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		5698524	12/16/97	Mach et al			
		5698677	12/16/97	Eibl et al			
		5702684	12/30/97	McCoy et al			
		5707401	1/98	Talmore			
		5709653	1/98	Leone			
		5709991	1/20/98	Lin et al			
		5709992	1/1998	Rubinstein			
		5712085	1/27/98	Wollowitz et al			
		5712086	01/27/98	Horowitz et al.			
		5714328	2/98	Magda et al			
		5736313	4/7/98	Spargo et al.			
		5739013	4/98	Budowsky et al			
		5753428	5/19/98	Yuasa et al.			
		5756553	5/26/98	Iguchi et al			
		5769839	6/23/98	Carmen et al.			
		5772960	6/30/98	Ito et al			
		5783093	7/21/98	Holme			
		5789150	08/04/98	Margolis-Nunno et al.			
		5789151	8/4/98	Bitensky et al.			
		5789601	08/04/98	Park et al.			
		5798238	08/25/98	Goodrich Jr. et al.			
		5798523	08/25/98	Villeneuve et al.			
		5817519	10/6/98	Zelmanovic et al			
		5827644	10/27/98	Floyd et al.			
		5834198	11/10/98	Famulok et al.			
		5840252	11/24/98	Giertych			
		5843459	12/01/98	Wang et al.			
		5846961	12/08/98	Van Dyke			
		5854967	12/29/98	Hearst et al.			
		5866074	02/02/99	Chapman et al.			
		5869701	02/09/99	Park et al.			
		5871900	02/16/99	Wollowitz et al.			
		5876676	03/02/99	Stossel et al.			
		5899874	5/4/99	Jonsson			
		5906915	05/25/99	Payrat et al.			
		5908742	060199	Lin et al.			
		5919614	7/1999	Livesey et al.			

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U.S. PATENT DOCUMENTS							
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		5922278	07/13/99	Chapman et al.			
		5935092	8/10/99	Sun et al.			
		5955256	9/21/99	Sowemimo-Coker et al			
		5955257	9/21/99	Burger et al.			
		5965349	10/12/99	Lin et al			
		5972593		Wollowitz et al			
		5976884	11/02/99	Chapman et al.			
		5981163	11/9/99	Horowitz et al			
		6004741	12/21/99	Wollowitz et al			
		6004742	12/21/99	Wollowitz et al			
		6017691	1/25/00	Wollowitz et al			
		6020333	02/01/00	Berque			
		6060233	5/2000	Wiggins			
		6063624	5/2000	Kandler et al.			
		6077659	6/20/00	Ben-Hur et al			
		6087141	7/2000	Margolis-Nunno et al			
		6093725	7/25/00	Cook et al			
		6106773	8/22/00	Miekka et al			
		6133460	10/17/00	Wollowitz et al			
		6143490	11/7/00	Cook et al			
		6171777	1/9/01	Cook et al			
		6177441	1/23/01	Cook et al			
		6194139	2/27/01	Wollowitz et al			
		6197207	3/6/01	Chapman et al			
		6214534	4/10/01	Horowitz et al			
		6218100	4/17/01	Wollowitz et al			
		6258319	7/10/01	Hearst et al			
		6258577	7/10/01	Goodrich et al			
		6268120	7/31/01	Platz et al			
		6270952	8/7/01	Cook et al			
		6277337	8/21/01	Goodrich et al			
		6410219	6/25/02	Cook et al			
		6413714	7/2/02	Margolis-Nunno et al			
		6420570	7/16/02	Wollowitz et al			
		6433343	8/13/02	Cimino et al			
		6455286	9/24/02	Wollowitz et al			

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(Use several sheets if necessary)	FILING DATE August 25, 2003	GROUP 1743

U.S. PATENT DOCUMENTS							
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		6461567	10/8/02	Hearst et al			
		6469052	10/22/02	Wollowitz et al			
		6503699	1/7/03	Wollowitz et al			
		6514987	2/4/03	Cook et al			
		6544727	4/8/03	Hei			
		6565802	5/20/03	Hanley et al			
		6576201	6/10/03	Wollowitz et al			
		6586749	7/1/03	Cimino et al			
		6596230	7/22/03	Wollowitz et al			
		6680025	1/20/04	Hearst et al			
		6686480	2/3/04	Wollowitz et al			

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION							
		DOCUMENT NUMBER	PUBLISHE D DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATIO N
		EP 0066886	08.06.82	EP			
		EP 0108588	5/1984	EP			
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		EP 0590514	4/1994	EP			
		EP 0679398	02.11.95	EP			
		EP 0754461	1/1997	EP			
		EP 0801072	15.10.97	EP			
		FR2674753	09.10.92	FR			
		FR2715303	28.07.95	FR			
		FR2718353	13.10.95	FR			
		GB2034463	6/1980	UK			
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	WO92/08348	29.05.92	PCT				
	WO92/08349	29.05.92	PCT				
	WO92/11057	09.07.92	PCT				
	WO92/17173	09/10/92	PCT				
	WO94/07426	14.04.94	PCT				
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	WO96/14741	23.05.96	PCT				
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	WO97/18844	5/1997	PCT				
	WO97/22245	26/6/97	PCT				
	WO97/36581	09.10.97	PCT				
	WO97/36634	09.10.97	PCT				
	WO98/22150	5/28/98	PCT				
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